

TABLE 5-4 (Continued)
Description of Existing Structures

| Structure | Construction Date | Construction Materials |
|------------------------|-------------------------|------------------------|
| Transfer Building | Fall 1977 | Structural Steel |
| Trash Pit | Fall 2009 | Concrete |
| Truck Loader Bin | Fall 2002 | Structural Steel |
| Truck Scale | 1975 / 1982 / 1996 | Structural Steel |
| Warehouse and Shop | Summer 1976 | Pre-Engineered Steel |
| Water Tanks - Lower | Summer 1975/Summer 2002 | Steel & Plastic |
| Water Tank - Upper | Summer 1975 | Steel |
| | | |
| Link Canyon Facilities | | |
| Link Canyon Portals | Spring 2003 | Steel |
| Link Canyon Substation | Summer 2000 | Steel Skid |
| | | |
| Four East Facilities | | |
| Fan Generator Building | Fall 2003 | Pre-Engineered Steel |
| 4 East Fan | Spring 1996 | Structural Steel |

0029



Canyon Fuel
Company, LLC.
Sufco Mine

A Subsidiary of Arch Western Bituminous Group, LLC.

C041/002 Incoming

Ken May, General Manager
597 South SR 24
Salina, UT 84654
(435) 286-4400 - Office
(435) 286-4499 - Fax

#3359

&

COPY

July 28, 2009

Permit Supervisor
Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Construction of Concrete Trash Pit Amendment, Canyon Fuel Company, LLC, SUFCO Mine
C/041/002

Dear Permit Supervisor:

The enclosed eight complete clean copies of the Concrete Trash Pit Amendment are being submitted for approval to construct a new concrete trash pit. Attached are DOGM forms C-1 and C-2 and appropriate pages.

This new concrete trash pit will not affect any new disturbance to the permitted area or any change in runoff, vegetation, and topsoil. MRP Table 5-4 "Description of Existing Structures" page 5-46 has been updated and is enclosed. New bond calculation sheets and updated surface facility map (Plate 5-2A) are enclosed. This new construction will increase the concrete demolition yardage by 26.5 CY on the Trash Pit demolition bond calculation sheet (Page 62). The additional bond cost estimate requirements for the proposed new concrete trash pit construction is well within the present Sufco posted bond.

Sufco would like approval of this amendment as soon as possible to start construction this year. If you have any questions or need additional information, please contact Mike Davis at (435) 286-4421.

Sincerely,
CANYON FUEL COMPANY, LLC
SUFCO Mine

Kenneth E. May
General Manager

Encl.

KEM/MLD:kb

cc: DOGM Price Field Office
DOGM Correspondence File

File in:
C041/002 2009 Incoming
Refer to:
☐ Confidential
☐ Shelf
☒ Expandable
Date 07/28/09 for additional information

RECEIVED

JUL 30 2009

DIV. OF OIL, GAS & MINING

COPY

Form DOGM- C1 (Revised March 12, 2002)

COPY

Title: Concrete Trash Pit

DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED

Form DOGM - C2 (Revised March 12, 2002)

Coal Processing Waste. SUFCO Mine does not process their coal beyond crushing and screening. Thus, no coal processing waste is generated in the permit area.

Non-Coal Mine Waste. Non-coal (non-waste rock) waste generated in the permit area is temporarily stored in a protected **concrete trash pit** area near the guard house at the location shown on Plate 5-2A. Once a sufficient amount of this waste accumulates to justify removal (approximately ~~every 2~~ **to 3 times per weeks**), the non-coal waste is loaded onto a truck with a front-end loader and hauled to the Sevier County Landfill (see Section 5.2.1.1).

No non-coal (non-waste rock) waste is permanently disposed of within the permit area. No non-coal waste that is defined as hazardous under 40 CFR 261 is currently generated at the mine. If such waste is generated in the future, it will be handled in accordance with the requirements of Subtitle C of the Resource Conservation and Recovery Act and any implementing regulations.

Underground Development Waste. Complete descriptions of the construction, use, maintenance, and removal of the waste-rock disposal facility are provided in the M&RP Volume 3 of this M&RP. This facility has been designed to accept approximately 10,000 tons of waste material per year for a projected period of at least 20 years.

Minimization of Acid, Toxic, and Fire Hazards. Data presented in Volume 3 of this M&RP and in Chapter 6 indicate that no materials at the site are acid forming. These same documents indicates that the waste rock has the potential of being slightly toxic forming with respect to boron. Should an acid- or toxic-forming problem with the waste rock be identified during future sample collection, those materials so identified will be buried within 30 days after the material is exposed at the mine site.

The area used for temporary storage of debris generated at the mine is protected from the wind by walls on three sides. The access to the storage area is sloped inward to prevent water from running off the waste pile prior to removal. Because debris that is generated at the mine site

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Bonding Calculations

Direct Costs

| | |
|----------------------------------|----------------|
| Subtotal Demolition and Removal | \$1,052,959.00 |
| Subtotal Backfilling and Grading | \$548,005.00 |
| Subtotal Revegetation | \$171,967.00 |
| Direct Costs | \$1,772,931.00 |

Indirect Costs

| | | |
|-------------------------|--------------|-------|
| Mob/Demob | \$177,293.00 | 10.0% |
| Contingency | \$88,647.00 | 5.0% |
| Engineering Redesign | \$44,323.00 | 2.5% |
| Main Office Expense | \$120,559.00 | 6.8% |
| Project Mainagement Fee | \$44,323.00 | 2.5% |
| Subtotal Indirect Costs | \$475,145.00 | 26.8% |

Total Cost \$2,248,076.00

Escalation factor 0.0444
Number of years 4
Escalation \$426,645.00

Reclamation Cost Escalated \$2,674,721.00

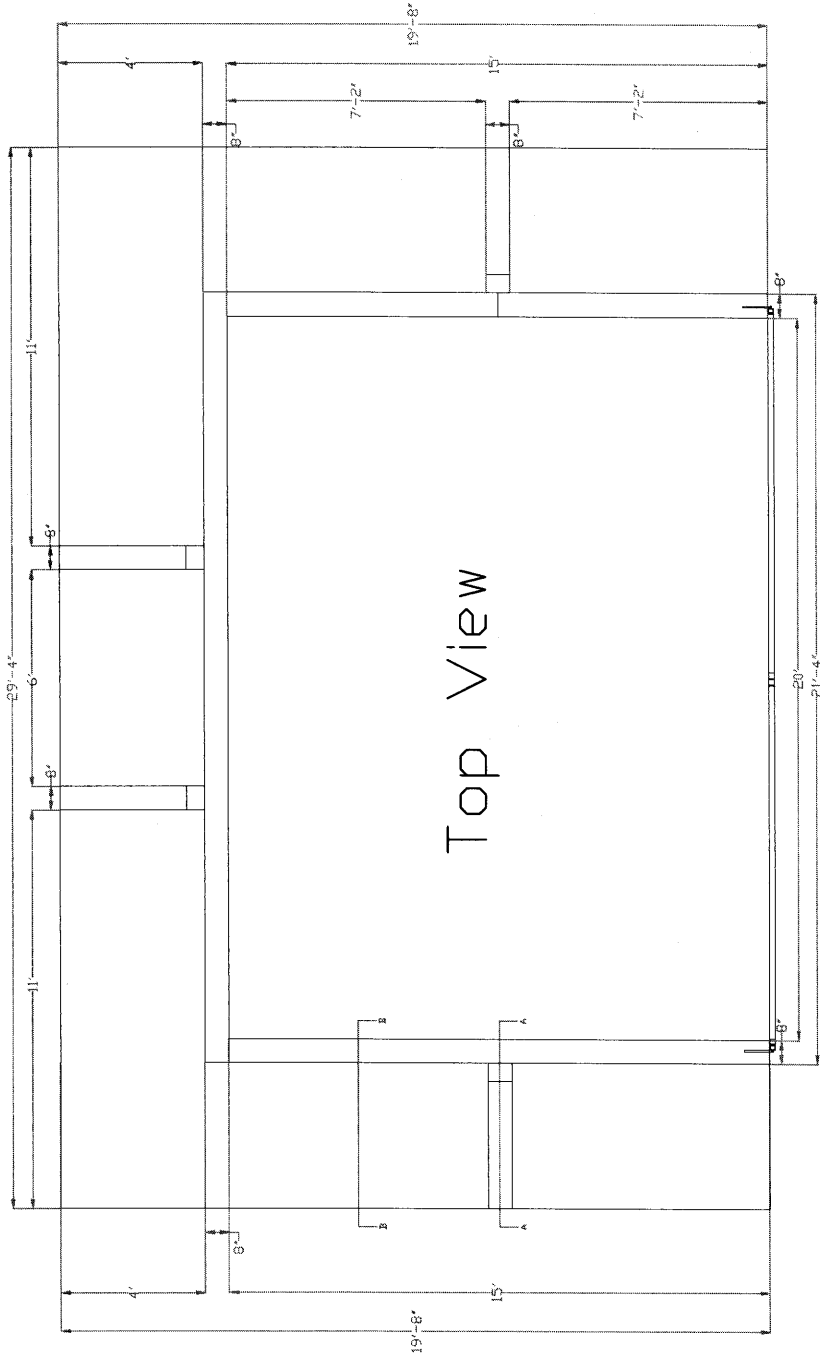
Bond Amount (rounded to nearest \$1,000) \$2,675,000.00
2009 Dollars

Posted Bond \$4,439,000.00

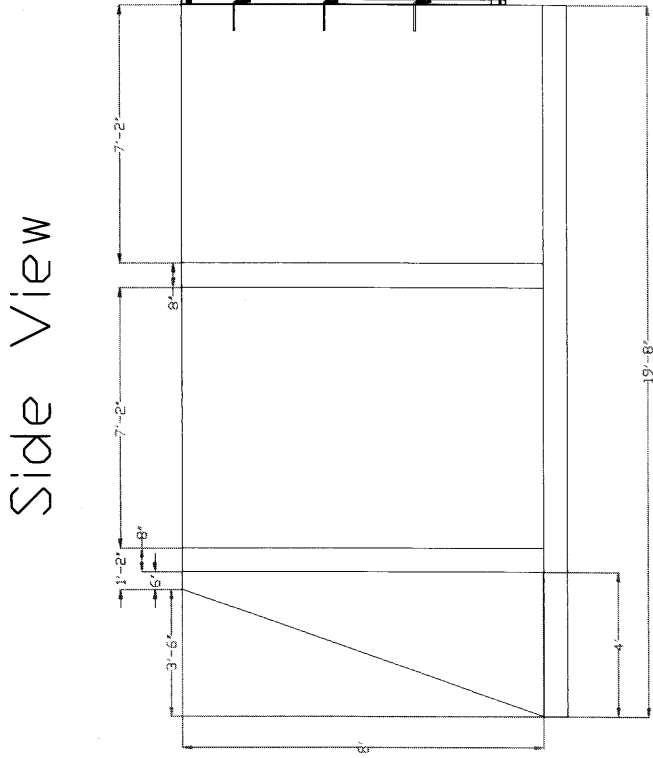
Difference Between Cost Estimate and Bond \$1,764,000.00
Percent Difference 39.74%

| Ref. | Description | Materials | Means Reference Number | Unit | Length | Width | Height | Diameter | Area | Volume | Weight | Density | Time | Number | Unit | Swell Factor | Quantity | Unit | Cost |
|------|----------------------------|-----------|------------------------------|------|--------|-------|--------|----------|------|--------|--------|---------|------|--------|------|-----------------|----------|------|--------------|
| | Amulance Garage | | | | | | | | | | | | | | | | | | \$2,504.00 |
| | Belt Decer Tank | | | | | | | | | | | | | | | | | | \$13.00 |
| | Belt Choncks A | | | | | | | | | | | | | | | | | | \$143,211.00 |
| | Belt Choncks B | | | | | | | | | | | | | | | | | | \$53,488.00 |
| | Bulk and Used Oil Storage | | | | | | | | | | | | | | | | | | \$1,518.00 |
| | Can Magazine | | | | | | | | | | | | | | | | | | \$22.00 |
| | Chonimator Bid | | | | | | | | | | | | | | | | | | \$18.00 |
| | Covered Storage | | | | | | | | | | | | | | | | | | \$17,169.00 |
| | Diesel Tank | | | | | | | | | | | | | | | | | | \$995.00 |
| | Drainage Culverts | | | | | | | | | | | | | | | | | | \$15,944.00 |
| | Electrical Bid | | | | | | | | | | | | | | | | | | \$602.00 |
| | Fan | | | | | | | | | | | | | | | | | | \$7,781.00 |
| | Fire Water Tank 300000 Gal | | | | | | | | | | | | | | | | | | \$11,126.00 |
| | Fuel Dock | | | | | | | | | | | | | | | | | | \$928.00 |
| | Guard House | | | | | | | | | | | | | | | | | | \$349.00 |
| | Loadout Belt | | | | | | | | | | | | | | | | | | \$2,593.00 |
| | Lower Stacker Coal Storage | | | | | | | | | | | | | | | | | | \$2,149.00 |
| | Lump Coal Storage | | | | | | | | | | | | | | | | | | \$711.00 |
| | No 1 Belt | | | | | | | | | | | | | | | | | | \$67,377.00 |
| | Office Building | | | | | | | | | | | | | | | | | | \$29,153.00 |
| | Pavement Removal | | | | | | | | | | | | | | | | | | \$22.00 |
| | Powder Magazine | | | | | | | | | | | | | | | | | | \$972.00 |
| | Pulley Racks | | | | | | | | | | | | | | | | | | \$3,040.00 |
| | Pump Houses | | | | | | | | | | | | | | | | | | \$259,568.00 |
| | Riprap Filter Fabric | | | | | | | | | | | | | | | | | | \$3,557.00 |
| | Rock Dust Bin | | | | | | | | | | | | | | | | | | \$1,022.00 |
| | ROM Coal Storage | | | | | | | | | | | | | | | | | | \$2,139.00 |
| | ROM MCC Bid | | | | | | | | | | | | | | | | | | \$991.00 |
| | Sampler Building | | | | | | | | | | | | | | | | | | \$1,516.00 |
| | Sand and Salt Storage | | | | | | | | | | | | | | | | | | \$46,800.00 |
| | Seal Portals | | | | | | | | | | | | | | | | | | \$1,533.00 |
| | Sediment Trap | | | | | | | | | | | | | | | | | | \$0.00 |
| | Septic Tanks | | | | | | | | | | | | | | | | | | \$80,022.00 |
| | Shelves | | | | | | | | | | | | | | | | | | \$11,911.00 |
| | Shop and Warehouse | | | | | | | | | | | | | | | | | | \$2,322.00 |
| | Shop Garage | | | | | | | | | | | | | | | | | | \$1,718.00 |
| | Shop Office | | | | | | | | | | | | | | | | | | \$711.00 |
| | Side Release Tank | | | | | | | | | | | | | | | | | | \$6,626.00 |
| | Steam Cleaner Building | | | | | | | | | | | | | | | | | | \$1,104.00 |
| | Stoker Belt | | | | | | | | | | | | | | | | | | \$6,755.00 |
| | Stoker Bin | | | | | | | | | | | | | | | | | | \$1,539.00 |
| | Stoker Coal Storage | | | | | | | | | | | | | | | | | | \$1,256.00 |
| | Stoker Oil Tanks | | | | | | | | | | | | | | | | | | \$72,822.00 |
| | Storage Trailers | | | | | | | | | | | | | | | | | | \$69.00 |
| | Substation Lower* | | | | | | | | | | | | | | | | | | \$36,194.00 |
| | Substation Upper* | | | | | | | | | | | | | | | | | | \$3,161.00 |
| | Truck Pimlers | | | | | | | | | | | | | | | | | | \$2,759.00 |
| | Trickle Building | | | | | | | | | | | | | | | | | | \$10,303.00 |
| | Trickle MCC Building | | | | | | | | | | | | | | | | | | \$542.00 |
| | Trickle Office Building | | | | | | | | | | | | | | | | | | \$1,895.00 |
| | Trash Pit | | | | | | | | | | | | | | | | | | \$36,352.00 |
| | Truck Loader Bin | | | | | | | | | | | | | | | | | | \$0.00 |
| | Truck Scale | | | | | | | | | | | | | | | | | | \$0.00 |
| | Truck Trailer | | | | | | | | | | | | | | | | | | \$0.00 |
| | Water Tank Lower | | | | | | | | | | | | | | | | | | \$8,042.00 |
| | Water Tank Upper | | | | | | | | | | | | | | | | | | \$39,150.00 |
| | Link Canyon Facilities | | | | | | | | | | | | | | | | | | \$2,591.00 |
| | Link Canyon Portals | | | | | | | | | | | | | | | | | | \$18,066.00 |
| | Link Canyon Substation | | | | | | | | | | | | | | | | | | \$1,000.00 |
| | Fourth East Facilities | | | | | | | | | | | | | | | | | | \$0.00 |
| | Fan Generator Building | | | | | | | | | | | | | | | | | | \$0.00 |
| | Four East Fan | | | | | | | | | | | | | | | | | | \$0.00 |
| | | | | | | | | | | | | | | | | | | | \$1,000.00 |

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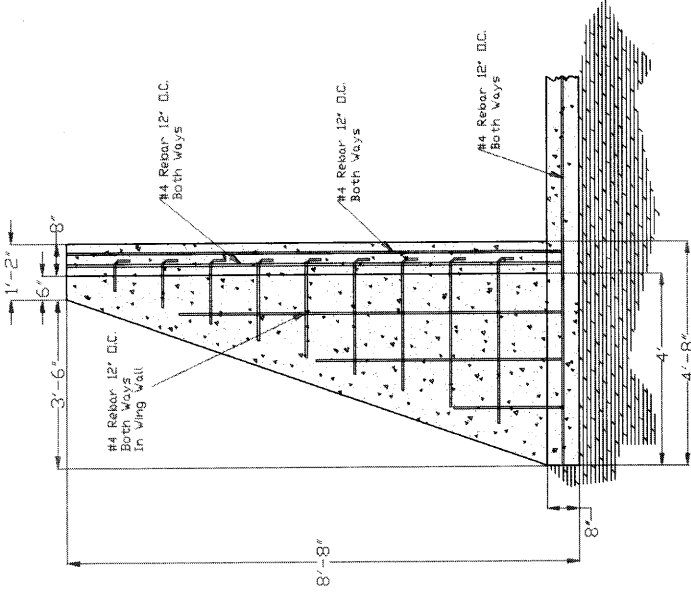
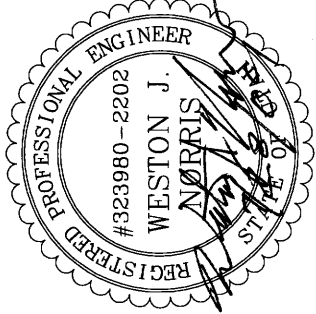
Top View



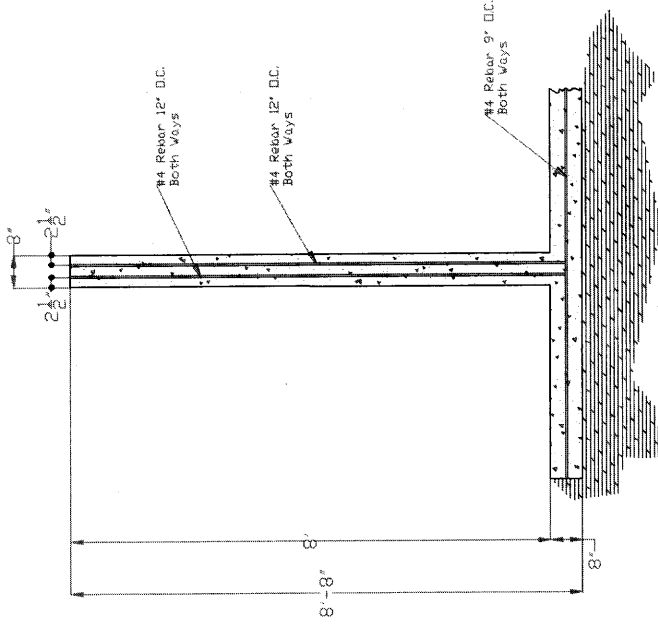
Side View

Notes:

1. 26.5 yd³ of concrete
2. Concrete type II Class AA.
3. All reinforcing steel to be epoxy coated with the ends painted or dipped when cut.
4. All reinforcing dowels to extend a minimum of 24 inches.
5. One inch chamfer on front and top edges of walls.



Section A-A
Scale 1/4"=1'



Section B-B
Scale 1/4"=1'



Canyon Fuel Company, LLC
SUFCO Mine
597 South SR 24 - Salina, UT 84654
(435) 286-4880 Phone
(435) 286-4499 Fax

Surface Trash Pit

Concrete Details

SCALE: 3/16" = 1" DATE: 07/17/09 DRAWN BY: J.V.M. ENGINEER: W.J.N. CHECKED BY: W.J.N.

FILE NAME: H:\JVMiller\Trash bunker 2.dwg

SHEET NO.

| NO. | DATE | REQ. BY | DWG. BY | REMARKS |
|-----|------|---------|---------|---------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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